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elm ash cottonwood forest type bibliography

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ELM-ASH-COTTONWOOD FOREST TYPE BIBLIOGRAPHY

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The elm-ash-cottonwood forest type has been defined as the lowland forests where American elm (*Ulmus americana* L.), green ash (*Fraxinus pennsylvanica* Marsh.), eastern cottonwood (*Populus deltoides* Bartr.), or silver maple (*Acer saccharinum* L.) comprise, singly or in any combination, the largest component of stocking. Common associated species include hackberry (*Celtis occidentalis* L.), American sycamore (*Platanus occidentalis* L.), black willow (*Salix nigra* Marsh.), and boxelder (*Acer negundo* L.). The elm-ash-cottonwood type occupies a large but irregular area on the floodplains and bottomlands of the north-central United States. Sites occupied by this type commonly have a high productive potential.

The literature search this bibliography is based on began with an extensive examination of Forestry Abstracts volume 24 (1963) through volume 37 (1976). Thus, this work is contiguous with the *Populus* bibliography of Farmer and McKnight. The bibliographies of major works found in the initial search of Forestry Abstracts were examined and many additional references were obtained. Several references found in this second search and published prior to 1964 were included when they seemed particularly relevant and had not been included in the Farmer and McKnight *Populus* bibliography. Finally, many current journals were searched for work that had not yet been reported in Forestry Abstracts. For addresses of many of the sources cited the reader may consult "Forestry Abstracts Coverage List"[1] or "List of Periodicals and Serials Regularly Scanned for Forestry Abstracts"[2].

During the initial examination of Forestry Abstracts, the following genera and species were actively searched: *Acer, A. saccharinum* L.; *Celtis, C. occidentalis* L.; *Fraxinus, F. pennsylvanica* Marsh.; *Platanus, P. occidentalis* L.; *Populus, P. deltoides* Bartr.; *Ulmus, U. americana* L. In addition, many references to *Salix nigra* Marsh. are cited.

Publications selected for this bibliography relate to one or more of the following broad subject categories: (1) Biology--includes references to life history, silvical characteristics, taxonomy, physiology, morphology, anatomy, and genetics; (2) Ecology--includes the topics of forest succession, allelopathy, soil site relations, flooding, and gradient analysis; (3) Silviculture--includes stand establishment, cultural treatments, harvesting methods, economics, and protection; (4) Mensuration--includes references to yield studies, mensurational techniques, growth prediction, and volume estimation.

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[1]Commonwealth Forestry Bureau. 1970. Forestry Abstracts Coverage List, October 1970. 20 p. Commonwealth Agricultural Bureaux, Farnham Royal, United Kingdom.

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In all cases interest was primarily in work dealing with natural stands. However, reports on plantations, greenhouse experiments, and other artificial situations were included whenever they were judged to be applicable to future studies of natural stands. Published abstracts have been cited whenever they were judged to contain significant amounts of useful information.

Citations obtained through Forestry Abstracts are followed by the Forestry Abstracts volume and entry number, e.g., FA 32:4773 refers to volume 32, entry 4773 of Forestry Abstracts. Users with access to Forestry Abstracts can thereby quickly locate a synopsis of these references.

A species and subject index and glossary of common insect names is provided for user convenience. Tree species and invertebrate organisms are indexed only by their scientific name. Vertebrate species are indexed only by common name. Cross references are used throughout to add clarity and to indicate categories where additional information may be found.

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	Aphididae spp.
Aphid	*Lepersinus aculeatus, Lepersinus californicus*
Ash bark beetle	*Thysanochemis bischoff, Thysanochemis hevola*
Ash seed weevils	*Scolytus* spp.
Bark beetles	*Dasyhelea opressa*
Biting midge	*Paraleucoptera albella*
Blotch leaf miner	*Oberea delongi, Oberea schaumii*
Branch borer	*Agrilus liragus*
Bronze poplar borer	*Prionoxystus robinae*
Carpenter worm	*Paranthrene dollii, Paranthrene tricincta*
Clearwing borer	*Corthylus columbianus*
Columbian timber beetle	*Plectrodera scalator*
Cottonwood borer	*Chrysomela scripta*
Cottonwood leaf beetle	*Aculus lobulifera*
Cottonwood leaf curl mite	*Leucoptera albella*
Cottonwood leaf miner	*Gypsonoma haimbachiana*
Cottonwood twig borer	*Cerura wisei*
Double tail caterpillar	*Lepersinus aculeatus*
Eastern ash bark beetle	*Marmara* spp.
Epidermal miner	*Scolytus scolytus*
Elm bark beetle	*Ennomos subsignarius*
Elm spanworm	*Telonomus alsophilae*
Elm spanworm parasite	*Eriophydidae* spp.
Eriophyid mites	*Alsophila pometaria*
Fall cankerworm	*Platypus sulcatus*
Flat-footed ambrosia beetle	*Syrphidae* spp.
Flower flies	*Aulacigaster leucopeza*
Fruit fly	*Astercampa celtis*
Hackberry butterfly	*Pachypsylla* spp.
Hackberry gall maker	*Pachypsylla vesiculum*
Hackberry blistergall maker	*Pachypsylla mamma*
Hackberry nipplegall maker	*Pachypsylla venusta*
Hackberry petiolegall maker	*Plagiodera versicolor*
Imported willow leaf beetle	*Corythucha* spp.
Lace bug	*Prodiplosis morrisi*
Leaf curl midge	*Cicadellidae* spp., *Cuerna costalis, Erythroneura* spp., *Erythroneura lawsoni, Homalodisca coagulata, Oncometopia orbona*
Leaf hopper	*Messa populifoliella*
Leaf-mining sawfly	*Tortricidae* spp.
Leafroller moth	*Hylurgopinus rufipes*
Native elm bark beetle	*Platypus sulcatus*
Pin-hole borer	*Cryptorrhynchus lapathi*
Poplar-and-willow borer	*Saperda calcarata*
Poplar borer	*Icthyura inclusa*
Poplar tentmaker	*Mordvilkoja vagabunda*
Poplar vagabond aphid	*Tetranychus telarius*
Red spider mite	*Gracillariidae* spp.
Serpentine leaf miner	*Gypsonoma aceriana*
Shoot borer	*Scolytus multistriatus*
Smaller European elm bark beetle	*Drepanosiphum platanoides*
Sycamore aphid	*Malacosoma fragile incura*
Tent caterpillar	*Limentis archippus*
Viceroy butterfly	*Mycetobia divergens*
Wood gnat	*Tracheoniscus rathkei*
Woodlouse	*Eriosoma pyricola*
Woolly pear aphid	

Acer spp.
Air pollution--671
Animal damage--91
Cankers--334
Decay--553
Flooding--377
Forest area--573
Forest types--141, 377
Fungi--114, 115, 239, 252, 310, 334, 465, 493
Genetics & breeding--423, 672
Growing stock volume--573, 574
Growth--338, 377, 457
Insect pests--132, 310
Light relations--338
Mortality--574
Nematodes--531
Pulp production--56, 57
Regeneration--140, 284
Rhizosphere--115
Saw log production--55, 56, 58, 59, 573, 574
Seed--284
Seedlings--338, 377
Taxonomy--446, 678
Thinning--441, 442, 567
Variation--672
Veneer-log production--54, 56
Weedkillers--122, 441, 442, 463, 567, 669, 680
Wounds--457

Acer saccharinum
Air pollution--176, 297
Animal damage--464
Buds--356
Cankers--221
Dormancy--356
Felling--410
Fertilizer--565
Flooding--103, 273, 276, 278, 363, 377, 382, 560
Forest types--39-41, 141, 376, 377, 486, 568, 617
Fungi--221, 222, 251, 259
Fungicides--251
Genetics & breeding--362
Gradient analysis--39-41
Growth (see also juvenile growth)--103, 363, 377, 379, 382, 483
Growth regulators--505, 587, 607
Ice damage--377
Insect pests--142, 311, 363, 399-401, 483, 653
Juvenile growth (see also growth)--313
Light relations--379, 410, 480, 560
Mortality--574
Nutrient relations--140, 479, 505
Regeneration--141, 279, 362, 410
Seed--222, 273, 279, 587, 607

Acer saccharinum (cont.)
Seedlings--103, 276, 279, 313, 377, 410
Soil--140
Stomates--480
Succession--243, 357, 377, 486
Temperature relations--363, 399, 401, 480
Thinning--363, 410
Variation--316
Water relations--39, 41, 103, 140, 273, 276, 278, 363, 382, 399, 401, 410, 480, 560, 617
Weedkillers--363, 661
Wood anatomy--316
Wounds--251

Aculus lobulifera--440

Agrilus liragus--32

Air pollution
Ozone--297, 527, 670, 671
Peroxyacetyl nitrate (PAN)--176
Sulfur dioxide--298, 299, 318, 527

Alleopathy--12, 13

Alsophila pometaria--174

Alternaria spp.--518, 543

Alternaria tenuis--440

Anatomy--145

Animal damage (see individual animals)

Aphaereta colei--134

Aphididae spp.--16, 440

Armillaria mellea--625

Arthropoda--254

Aspergillus spp.--571

Astercampa celtis--357

Aulacigaster leucopeza--134

Bacillus thuringiensis--406, 582

Beaver--211, 258, 464, 615

Belonolaimus longicaudatus--521

Bibliographies--181, 195, 367, 497, 570

Botryodiplodia theobromae--201, 440

Bottomland type (see floodplain forest)

Buds--22, 145, 149, 156, 323, 351, 356, 358, 474, 515

Celtis spp.
- Bibliographies--181
- Root grafts--383
- Weedkillers--669

Celtis occidentalis
- Cultivation of soil--231
- Diseases & disorders--259
- Epiphytes--418
- Fertilizer--231
- Flooding--103, 275, 276, 278, 551
- Forest types--39-41, 376, 377, 551, 617, 639, 640
- Fungi--259
- Galls--372
- Gradient analysis--39-41
- Growth (see also juvenile growth)--103
- Insect pests--34, 178, 357, 372
- Juvenile growth (see also growth)--275
- Litter decomposition--652
- Nutrient relations--140, 479
- Pulp production--56
- Regeneration--279
- Saw log production--56
- Seed--279
- Seedlings--103, 275, 276, 279
- Silvical characteristics--342
- Soil--140
- Succession--243, 357, 377, 639, 640
- Temperature relations--34
- Veneer-log production--56
- Water relations--39, 41, 103, 140, 275, 276, 278, 551, 617

Cenococcum graniforme--627

Cephalosporium spp.--17, 20, 208, 518, 571

Cephalosporium diospyri--18

Ceratocystis fraxinopennsylvanica--267

Ceratocystis spp.--310, 311, 571

Ceratocystis ulmi
- Control--327, 336
- Descriptions--72, 281, 343, 393, 491, 547, 548, 594
- Effects on host--10, 11, 155, 354, 355, 394, 454, 456, 492, 514, 516
- General--340, 367, 419, 526
- Resistance--49, 107, 173, 268, 422, 453-455, 555, 557, 558, 563, 644, 676
- Transmission--150, 209, 210, 226, 315, 317, 428, 633, 644

Ceratopogamide spp.--310

Cercospora populina--440

Cerura wisei--128

Chrysomela scripta--253, 398, 440

Cicadellidae--232

Cladosporium subsessile--588

Clitocybe tabescens--440

Collectorichum gloeosporioides--440

Collybia velutipes--493

Corthylus columbianus--142, 310, 311, 399-401, 483, 653

Coniothyrium spp.--518

Coprinus spp.--571

Corticium galactinum--440, 613

Corythucha spp.--581

Cryptodiaporthe populea--73

Cryptorrhynchus lapathi
- Biology--151
- Control--118-121, 152, 248, 249, 444
- General--4, 116, 152, 223, 248, 250

Cytospora chrysosperma (see *Valsa sordida*)

Cytophoma spp.--518

Cytophoma pruinosa--518

Cytosporina acharii--543

Cuerna costalis--440

Cultivation, soil--231, 330, 651

Cutting (see felling)

Dasyhelea oppressa--134

Decay, in trees--553, 608

Deer--346, 398, 489, 507, 580

Dendrosoter protuberans--618

Diplodia gossypina--296

Diplodia theobromae--580

Diseases & disorders--244, 259, 616

Dormancy--125, 323, 351, 356, 467, 474, 515

Dothichiza populea--73, 229

Drepanosiphum platanoides--166-168

Drosophila robusta--134

Drought--304, 448, 509

Dutch elm disease(see *Ceratocystis ulmi*)

Economics--179, 459, 566, 636

Endogone spp.--627

Ennomos subsignarius--131, 132, 174, 175, 198

Epiphytes--418

Eriophydidae spp.--659

Eriosoma pyricola--593

Erwinia spp.--624

Erythroneura spp.--388, 389

Erythroneura lawsoni--387

Eutypella parasitica--221, 334

Felling--410, 430, 617, 647

Fertilizer
- Disease--171
- General--21, 183, 368, 420, 421, 424, 432
- Growth--9, 38, 51, 52, 112, 282, 286, 337, 572
- Nurseries--235, 416
- Placement--282, 565
- Planting--320, 321

Fire damage--608

Flooding
- General--103, 211, 305, 331, 403, 551
- Growth--363
- Photosynthesis--509, 560
- Roots--271, 373
- Seed germination--273
- Tolerance--275, 276, 278, 382, 390, 673

Floodplain forest
- Classification--378
- Decay--608
- Disease--616
- Ecology--364, 377
- Felling--430
- Fire damage--608
- Flooding--373, 377, 551
- Forest area--574

Floodplain forest (cont.)
- Forest types--14, 31, 39-41, 60, 89, 91, 105, 141, 177, 230, 241, 280, 301, 306, 324, 325, 376-378, 417, 460, 486, 517, 539-541, 551, 568, 574, 617, 626, 639, 640
- Fungi--409, 465
- Gradient analysis--39-41, 306, 417, 517, 654
- Ice damage--377
- Insect pests--616
- Light relations--377
- Management--245, 289, 500
- Mensuration--500
- Models--219, 220
- Mortality--574
- Regeneration--141, 274, 279
- Sampling--350
- Seed--279
- Seedlings--279, 391
- Silviculture--31, 245
- Soils--14, 306, 377, 417, 512, 540, 541, 617
- Species distribution--219, 220
- Succession--29, 274, 301, 306, 377, 391, 409, 486, 639, 640, 660
- Taxonomy--417
- Temperature relations--377
- Understory vegetation--324
- Water relations--39-41, 219, 220, 377, 540, 541, 551, 617, 622, 623
- Wildlife--617
- Yield--574

Flowering--188

Fomes annosus--229, 349, 499

Fomes igniarius--478

Forest area--573, 574

Form--84, 302

Fraxinus spp.
- Animal damage--615
- Ash dieback--518, 519
- Forest area--573
- Fungi--266, 467, 518
- Genetics & breeding--423
- Growth--338
- Herbicides--199
- Insect pests--26, 30, 132, 462, 570
- Leaf litter--254
- Light relations--338
- Nutrient relations--140
- Pulp production--56, 57
- Saw log production--55, 56, 58, 59, 573
- Seedlings--338
- Soil--140
- Succession--357
- Veneer-log production--54, 56
- Virus--263, 264

Fraxinus spp. (cont.)
Volume--573
Water relations--124, 140
Weedkillers--449, 661, 669

Fraxinus pennsylvanica
Air pollution--297
Animal damage--211, 507
Ash dieback--518, 519
Bacteria--571
Browse--507
Buds--156
Carrying capacity--211
Cleaning--332
Cultivation--231
Distribution--599
Ecology--599, 600
Felling--410
Fertilizer--231, 565
Flooding--103, 211, 271, 275, 276, 278, 305, 306, 331, 382
Forest types--41, 306, 325, 376, 513, 539, 568, 617, 639, 640
Form development--538
Fungi--19, 216, 259, 267, 518, 571, 611, 613
Gradient analysis--41, 306
Growth (see also juvenile growth)--61, 94, 97, 98, 103, 197, 211, 228, 332, 380, 382, 408, 481
Growth regulators--61, 77, 197
Insect pests--98, 213, 395, 569-571, 645
Juvenile growth (see also growth)--74, 76, 78, 79, 100, 275, 328, 675
Light relations--78, 79, 154, 165, 408, 410, 481
Mine spoils--380
Mycorrhizae--204
Nematodes--407
Nutrient relations--140, 277, 335, 339, 380, 484, 498
Periderm--74-76, 78-81
Physiology--270
Plantations--380
Planting--328
Pruning--664, 667
Quality--98
Regeneration--279, 306, 410
Root growth--341, 576
Root rot--611, 613
Saw log production--574
Seed--66, 68, 69, 71, 279
Seedlings--74, 76, 82, 103, 275, 276, 279, 410
Silviculture--211, 332
Site index--98
Soil--140
Stomates--154
Succession--306, 639, 640, 660
Temperature relations--80
Thinning--410
Transpiration--87, 154, 498
Variation--475, 600, 675

Fraxinus pennsylvanica (cont.)
Virus--352, 353
Volume--98
Water relations--41, 74, 81, 87, 97, 100, 103, 140, 154, 156, 163, 270, 275-278, 305, 331, 335, 382, 410, 481, 559, 617
Weedkillers--77, 85-87
Wood anatomy--270, 300, 475, 575
Wounds--77, 82, 457
Xylem--78-81
Yield--98

Frost
Cracks--368, 466
Rings--677

Fulgoridae--232

Fungi
General--200, 206, 257, 259, 368, 427, 440, 546
Mycorrhizae--628, 629
Seed--187, 222
Slash--610
Soil--237, 409, 465

Fungicides
Benomyl--17, 110, 546
Capric acid--173
Copper, fixed--110
General--545
Maneb--110
Methyl bromide--127
Methyl 2-benzimidazolecarbamate--547
Phenylmercuritriethanol ammonium lactate--455
Sodium flouride--589
Thiophanate-methyl--110

Fusarium spp.--310, 518, 571

Fusarium solani--169, 203, 440, 609

Fusicoccum spp.--518

Genetics & breeding
Fungi--309, 370, 602
General--84, 93, 158, 193, 229, 245, 307, 308, 319, 362, 369, 423, 529, 549, 602, 643, 655, 656, 672

Gloeosporium platani--458

Gnomonia platani--455, 458

Gracillariidae spp.--440

Gradient analysis--39-41, 306, 417, 517, 654

Graphium spp.--310

Growing stock volume--573

Growth regulators--28, 197, 323, 467, 587, 607

Gypsonoma aceriana--16

Gypsonoma haimbachiana--137, 138, 398, 439, 440, 453, 476, 477, 584-586, 668

Hansenula spp.--310

Heat shock--630

Helicoma proliferans--239

Herbicides (see weedkillers)

Homalodisca coagulata--440

Hoplolaimus galeatus--130

Hormones--439

Hypoxylon pruinatum--44

Hypoxylon rubiginosum--252

Hylurgopinus rufipes--209

Ice damage--306, 377

Ichthyura inclusa--137, 440

Insect pests--4, 15, 98, 244, 363, 367, 400, 426, 427, 440, 616, 621

Insecticides
- Aldicarb--16, 136-138
- Aminocarb--471
- 'Apholate'--120
- 'Azodrin'--453
- 'Baygon'--453
- BHC--248, 249
- 'Bidrin'--453
- Carbaryl--471
- Carbofuran--138, 453, 471
- Chlorpyrifos--471
- 'Cidial'--118
- DDT--248, 249, 471, 633
- Diazinon--471
- Dieldrin--248, 249, 471
- Dimethoate--16, 471, 482
- Disulfoton--137, 138, 453
- 'Dowco 217'--471
- Fenthion--471
- General--432
- 'Landrin'--471
- Lauroyl-trichlorfon--471
- Lindane--248, 249
- Malathion--471
- Methomyl--471
- Methoxychlor--336, 633
- 'Mexacarbate'--471
- Naled--471
- Parathion--118-120, 152
- Phorate--16, 137, 138, 453
- Phoxim--471
- Propoxur--471
- Pryethrins--471
- Resmethrin--471
- 'Soldep'--444
- Systemic--16, 117, 137, 138
- 'Systox'--432
- 'Temik'--453
- Tetrachlorvinphos--471
- Trichlorfon--471
- 'Zinophos'--453

Laetiporus sulphureus--589

Lepersinus aculeatus--26

Lepersinus californicus--267, 395

Lepista nuda--627

Leucoptera albella--375

Light relations
- General--50, 377, 410, 617
- Growth--78, 265, 338, 360, 379, 408, 481, 490, 514
- Intensity--78, 154, 379, 480
- Photoperiod--79, 125, 322, 474
- Photosynthesis--157, 159-161, 164, 165, 224, 261, 338, 359-361, 384, 405, 412, 413, 429, 469, 490, 509, 514, 516, 560, 583

Limentis archippus--440

Litter decomposition--652

Lumbricidae spp.--254

Malacosoma fragile incura--582

Marmara spp.--213, 440

Marssonia spp.--110, 229

Marssonia brunea--170, 255, 535

Marssonia populi-nigrae--170

Melampsora spp.--18, 229, 601

Melampsora medusae--180, 205, 440, 535, 536, 612, 634

Melampsora populina--42, 129, 590-592

Melampsora populnea--6

Melasoma populi--117

Mensuration--126, 269, 472, 500, 510

Messa populifoliella--606

Mice--83

Mine spoils--366, 380, 488

Models--219, 220, 401

Morduilkoja vagabunda--564

Morphology--22, 351

Mycetobia divergens--134

Mycosphaerella populorum--207

Mycorrhizae--204, 627-629

Nematodes--130, 310, 407, 427, 521, 522, 531

Nurseries--1, 236

Nutrient relations
- Burning--603, 604
- Calcium--595, 596
- Copper--2
- Disease--590-592
- Foliage--102, 113, 171, 240, 282, 312, 333, 335, 649
- General--70, 92, 140, 217, 242, 236, 286, 321, 366, 368, 380, 424, 484, 498, 505, 533, 578, 646, 647
- Lime--51
- Nitrogen--38, 46, 52, 102, 113, 171, 183, 234, 235, 240, 282, 312, 333, 335, 337, 416, 443, 511, 572, 648, 649
- Phosphorus--46, 256, 339
- Potassium--46, 256, 420, 421, 479
- Water--163, 246, 277, 673

Oberea delongi--440

Oberea schaumii--440

Oncometopia orbona--440

Pachypsylla spp.--372

Pachypsylla mamma--178, 372

Pachypsylla venusta--178

Pachypsylla vesiculum--178, 372

Paraleucoptera albella--440

Paranthrene dollii--8, 440, 453

Paranthrene tricincta--440

Penicillium spp.--114, 571

Periderm--74-77

Phloem--5, 88, 283, 425, 554, 556, 619, 658

Phoma spp.--518

Phomopsis macrospora--202, 203, 440

Phyllosticta spp.--440

Physalospora rhodina--201

Physiology--148, 270

Pichia spp.--311

Plagiodera versicolor--117

Planting
- Depth--272, 320, 485, 651
- General--321, 396, 398, 402, 432, 538, 579, 580, 632
- Orientation--104, 328, 386
- Roots--227
- Season--95

Plantations
- Animal damage--83, 580
- Disease--8, 45, 206
- General--398, 426, 432, 503, 566
- Spacing--348, 431, 580, 581
- Weed control--111, 212, 344
- Yield--36, 113, 380, 434

Platanus spp.
- Air pollution--527
- Anthracnose--458
- Cytology--528
- Fungi--201, 458, 493

Platanus occidentalis
- Air pollution--297
- Allelopathy--12, 13
- Animal damage--580
- Anthracnose--455, 458
- Cambial growth--343
- Cultivation--231
- Dieback--206
- Economics--179, 566
- Felling--617
- Fertilizers--231, 286, 337
- Flooding--103, 271, 273, 275, 276, 278, 331, 390
- Forest area--573
- Forest types--39, 41, 376, 377, 568, 617
- Fungi--17, 20, 187, 206, 259, 296, 427, 455, 458, 546, 580, 611, 613
- Fungicides--17
- Genetics & breeding--643
- Gradient analysis--39, 41
- Growing season--322
- Growing stock volume--573, 574
- Growth (see also juvenile growth)--62, 63, 103, 234, 427, 488

Platanus occidentalis (cont.)
Insect pests--166-168, 387, 388, 389, 400, 427, 580
Juvenile growth (see also growth)--63, 95, 100, 275, 385, 427, 580, 643
Leaf scorch--206
Light relations--322, 429, 469, 617
Mine spoils--488
Mortality--574
Nematodes--130, 427, 521, 522
Nutrient relations--140, 234, 277, 286, 333, 337, 366, 533
Physiology--270
Plantations--36, 206, 566, 580, 581
Planting--95, 227, 386, 396, 579, 580
Pruning--172, 664
Regeneration--279
Respiration--429
Root growth--227, 247
Root rot--611, 613
Saw log production--59, 573, 574
Seed--37, 66-68, 273, 427
Seed germination--71, 279
Seed production--287
Seed viability--71
Seedlings--62, 103, 275, 276, 279, 429
Self pollenation--35
Silvical characteristics--427
Soil--140, 288
Specific gravity--533
Succession--366, 377, 427
Temperature relations--63, 322
Variation--542, 578, 597, 598, 643
Veneer-log production--54
Volume--36
Water relations--39, 41, 62, 65, 95, 100, 103, 133, 140, 163, 270, 273, 275-278, 331, 377, 390, 427, 552, 617, 662
Weed control--212
Weedkillers--260
Wood anatomy--270, 300, 344, 393, 473, 597
Wood chemistry--437
Wood properties--300, 533, 580
Yield--36, 133, 179, 532, 566, 580, 581

Platypus sulcatus--530

Plectrodera scalator--440, 453

Pleurotus ostreatus--440

Podoseia spp.--462

Podosesia syringae--462, 569

Pollution (see air pollution)

Polyporus spp.--571

Polyporus lucidus--440, 611

Polyporus sulphureus--589

Polyporus versicolor--251

Populus spp.
Air pollution--298, 670
Animal damage--83, 258
Bacteria--470, 523, 624
Bibliographies--195, 497
Buds--358, 474
Diameter estimation--269
Disease--171, 244, 259, 523
Dormancy--474
Economics--459
Fertilizers--9, 21, 171, 183, 235, 368, 420, 421
Frost effects--368, 524, 677
Fungi--6, 7, 18, 42, 53, 73, 110, 129, 170, 229, 257, 259, 314, 349, 368, 406, 478, 493, 536, 561, 562, 582, 588-592, 625, 634, 679
Fungicides--110, 127
Genetics & breeding--229, 423
Growth (see also juvenile growth)--90, 183, 490
Growth regulators--501
Insect pests--4, 15, 16, 32, 116-121, 126, 138, 150, 151, 223, 225, 244, 248-250, 406, 444, 482, 582, 659
Insecticides--16, 117, 118, 120, 150, 444, 482
Juvenile growth (see also growth)--90
Leaf development--161
Light relations--157, 161, 224, 384, 474, 490
Mensuration--126, 269, 471, 511
Nurseries--1, 117, 236
Nutrient relations--2, 171, 183, 235, 236, 256, 368, 420, 421, 443, 511, 590-592, 595, 596
Phosphatase--534
Plantations--45, 83
Planting--272, 632
Pollen--285
Pruning--157, 496
Regeneration--501, 550, 632
Respiration--161, 224
Rhizosphere--502
Root growth--90
Seed--285
Seedlings--123
Silviculture--632
Site index--153
Slime flux--624
Soil--502
Temperature relations--474, 490, 524, 596, 630, 631, 677
Thinning--567
Translocation--534
Utilization--459
Variation--383
Virus--3, 45, 47, 48, 229, 450, 451
Volume--472, 510
Water relations--157, 236, 490
Weed killers--1, 9, 123, 127, 468, 487, 567, 605, 661, 669

Populus spp. (cont.)
Wood anatomy--295
Wounds--53
Yield--126

Populus deltoides
Air pollution--299, 318
Amino acids--162
Animal damage--346, 398
Bacteria--237, 614, 641
Buds--22, 145, 147-149
Clearcut--617
Cultivation--231, 330, 397, 431, 651
Cytology--146, 404, 446
Drought--304, 448, 509
Economics--636
Embryogeny--108
Epicormic branching--245, 663
Dormancy--125, 467
Felling--647
Fertilizer--38, 51, 52, 112, 231, 282, 320, 321, 416, 424, 432, 572
Flooding--103, 273, 275, 276, 278, 305, 306, 331, 382, 403, 509, 551
Floral morphogenesis--108
Flowering--188, 190
Forest area--573
Forest types--39, 41, 141, 306, 325, 377, 486, 551, 568, 617
Freezing--525
Fungi--44, 73, 167, 180, 200, 202, 203, 205, 207, 237, 255, 259, 296, 309, 440, 535, 543, 601, 609, 610, 612, 627, 629
Genetics & breeding--84, 93, 158, 193, 245, 307-309, 549, 601, 602, 655, 656, 672
Gradient analysis--39, 41, 306
Growing stock volume--573, 574
Growth (see also juvenile growth)--28, 38, 46, 92, 97, 98, 103, 109, 112, 113, 135, 189, 193, 197, 307, 330, 347, 359-361, 374, 380, 382, 416, 432, 433, 503, 646, 665
Growth regulators--28, 197, 467, 505
Growing season--322
Height--189
Herbicides--345, 468
Ice damage--306
Insect pests--8, 98, 137, 138, 253, 375, 398, 439, 440, 453, 476, 477, 530, 564, 570, 584-586, 606, 621, 668
Insecticides--137, 138, 432, 453
Juvenile growth (see also growth)--64, 70, 95, 99-101, 164, 194, 275, 320, 321, 538, 603, 604, 649
Leaves--148, 149, 159, 240, 293, 359-361
Light relations--125, 159, 160, 164, 261, 262, 265, 322, 359-361, 405, 469, 509, 583, 617
Mine spoils--366, 380

Populus deltoides (cont.)
Morphology--22, 146-149
Mortality--574
Mycorrhizae--627, 629
Nematodes--407
Nutrient relations--38, 46, 51, 52, 70, 92, 102, 113, 140, 217, 218, 240, 242, 246, 282, 321, 366, 380, 417, 424, 484, 505, 603, 604, 646-649
Physiology--270
Plantations--8, 111, 113, 345, 380, 426, 431, 432, 434, 503
Planting--95, 104, 320, 321, 398, 402, 432, 485, 538, 651
Pruning--321, 347, 431, 663
Pulp production--56, 57
Quality--98
Range--549
Regeneration--141, 279, 303, 306, 549
Resin glands--148, 149
Respiration--160
Roots--24, 265, 321, 620, 656
Saw log production--55, 56, 58, 59, 573, 574
Seed--23, 25, 66, 190, 194, 273, 279
Seedlings--103, 275, 276, 279, 403, 435, 538
Sex ratio--108, 189
Shake--641
Silvical characteristics--402, 508
Silviculture--402
Site evaluation--95, 398
Site index--95, 98
Site preparation--101, 398
Slash--603, 604, 610
Soil--101, 140, 321, 366
Spacing--348, 431
Stem form--38, 84, 189
Succession--306, 366, 377, 402, 486, 660
Taxonomy--549
Temperature relations--125, 188, 191, 194, 322, 433, 525
Thinning--348, 431, 452
Translocation--164, 360, 467
Transpiration--64, 191, 509
Variation--23-25, 148, 158, 180, 190, 192, 193, 196, 218, 307, 308, 435, 494, 504, 601, 638, 655, 672, 674
Veneer-log production--54, 56
Volume estimation--434, 646, 666
Water relations--39, 41, 64, 95, 97, 99, 100, 102, 103, 106, 140, 191, 193, 194, 246, 270, 273, 275, 276, 278, 304, 305, 331, 377, 382, 403, 404, 433, 448, 551, 617, 662
Weedkillers--27, 106, 111, 321, 345, 374, 415, 665
Wetwood--614
Windthrow--377
Wood anatomy--46, 84, 189, 196, 217, 218, 270, 290-292, 294, 300, 494, 495, 638
Wood chemistry--437, 447
Wood quality--38, 84
Yield--84, 92, 112, 113, 144, 246, 348, 398, 434, 635, 636

Prionoxystus robinae--570, 571

Prodiplosis morrisi--225, 440

Protection--632

Pruning (see also root, pruning)
  Epicormic sprouting--663
  General--157, 172, 321, 431, 496
  Growth--347, 667
  Tolerance to--664

Pseudomonas spp.--624

Pseudomonas syringae--470

Pteridiospora spinosispora--204

Puccinia peridermiospora--19

Pulp production--56, 57

Rabbits--580

Regeneration
  General--238, 284, 549
  Natural--141, 273, 274, 279, 303, 306, 362, 410, 501, 632

Respiration--160, 161, 224, 429

Rhizosphere--115, 502

Root
  Grafting--150, 341, 383
  Growth--24, 90, 227, 247, 265, 321, 576
  Pruning--664
  Strength--621

Rosellinia necatrix--562

Salix spp. (see *Salix nigra*)

Salix nigra
  Flooding--103, 259, 276, 278, 306, 331, 551
  Forest types--306, 456, 551, 568
  Freezing--525
  Fungi--259
  Gradient analysis--306
  Growth--103
  Growth regulators--501
  Insect pests--128
  Nutrient relations--140
  Planting--402
  Pulp production--56
  Regeneration--279, 501
  Saw log production--56
  Seed--279
  Seedlings--103, 276, 279
  Silvical characteristics--402
  Silviculture--402
  Soil--140

Salix nigra (cont.)
  Succession--306, 377, 402, 486, 660
  Temperature relations--525
  Veneer-log production--56
  Water relations--103, 140, 276, 278, 331, 551

Sampling--350

Saperda calcarata--8, 440, 453

Saw log production--55, 56, 58, 59, 573

Scolytus spp.--150, 233

Scolytus multistriatus--34, 209, 226, 317, 336, 381, 428, 618, 633, 644

Scolytus scolytus--33, 336, 633

Seed
  Crop prediction--285
  Fungi--173, 222
  General--37, 66, 279, 284, 370, 427
  Growth regulators--587, 607
  Moisture--68, 194, 273
  Production--67, 287
  Tests--71, 273
  Timing--69
  Variation--23, 25, 190, 577

Septoria spp.--110, 535

Septoria musiva--207, 440

Septotinia podophyllina--314

Shake--641

Shelterbelts--228, 374

Site index--96, 98, 153

Site preparation--101

Slash--603, 604, 610

Slime flux--134

Soil
  Aeration--673
  Compaction--101
  Floodplain--280, 306, 325, 377, 540, 541, 648
  Flora--502
  Fungi--237, 409, 465
  Organic matter--254
  Influence of succession on--366
  Influence on growth--288, 321, 484
  Influence on vegetation--140, 512

Sphaerographium spp.--518

Sphaeropis spp.--518

Stem form (see form)

Sternochetus lapathi (see *Cryptorrhynchus lapathi*)

Stomates--154, 480

Succession
Fungi--409
General--29, 143, 243, 274, 280, 301, 357, 366, 377, 402, 427, 486, 639, 640, 660
Mine spoils--365
Seedlings--391

Syrphidae spp.--310

Taphrina populina--440

Telonomus alsophilae--131, 174

Temperature relations
Dormancy--125, 188, 474, 515
Frost--466, 524, 525, 677
General--63, 80, 322, 363, 399, 433, 490, 596
Germination--194
Heat--630, 631
Insects--34, 401
Transpiration--191, 480

Tension wood--43, 139

Tetranychus telarius--482

Thinning--410, 431, 441, 442, 452, 567

Thysanochemis bischoff--30

Thysanochemis hevola--30

Tortricidae spp.--440

Tracheoniscus rathkei--652

Translocation--87, 162, 164, 360, 467, 516, 534

Transpiration--11, 64, 154, 191, 394, 480, 498, 509

Trichoderma spp.--571

Tropidosteptes pacificus--645

Ulmus spp.
Bibliographies--181, 367
Cytology--528
Density--315
Dutch elm disease--49, 72, 107, 209, 210, 226, 268, 315, 317, 336, 340, 367, 392, 563

Ulmus spp. (cont.)
Forest area--573
Form--302
Flooding--103
Frost cracks--466
Fungi--18, 20, 49, 72, 107, 209, 210, 226, 268, 315, 317, 336, 340, 367, 392, 465, 506, 562, 563
Genetics & breeding--529
Growing stock volume--573, 574
Growth--103
Insect pests--33, 131, 174, 175, 198, 209, 210, 226, 232, 233, 283, 317, 336, 367, 381, 593, 618
Leaf litter--254
Light relations--50
Mortality--574
Phloem necrosis--5, 283
Pollen--285
Pulp production--56-58
Saw log production--55, 56, 59, 573, 574
Seed--285
Seedlings--103
Succession--143
Taxonomy--520
Temperature relations--466
Variation--563
Veneer-log production--54, 56
Virus--5, 283
Weedkillers--182, 199, 669, 680
Water relations--103

Ulmus americana
Air pollution--527
Animal damage--489
Bacteria--571, 641
Buds--323, 351, 515
Cell growth--186, 438
Cotyledons--411-414
Cytology--447
Dormancy--351, 515
Dutch elm disease--10, 11, 150, 155, 173, 210, 226, 268, 327, 340, 343, 354, 355, 392, 394, 419, 422, 428, 454, 456, 491, 492, 514, 516, 526, 544, 545, 548, 555, 557, 558, 563, 633, 644, 676
Elm scorch--644
Forest types--39, 306, 325, 376, 377, 539, 568, 617, 639, 640
Flooding--103, 273, 276, 278, 305, 306, 390
Form class--302
Fruit--577
Fungi--10, 11, 150, 155, 173, 208, 210, 259, 268, 340, 343, 354, 355, 370, 392, 394, 419, 422, 428, 454, 456, 491, 492, 499, 506, 514, 516, 526, 544-548, 555, 557, 558, 563, 571, 628, 633, 644, 676
Genetics & breeding--319, 369, 370
Gradient analysis--39, 306
Growth (see also juvenile growth)--94, 103, 197, 228, 414, 619
Growth regulators--197, 323
Hormones--438

Ulmus americana (cont.)
Insect pests--34, 134, 150, 210, 226, 327, 428, 570, 571, 633, 644
Juvenile growth (see also growth)--461
Leaves--312
Light relations--154, 412, 413, 480, 514, 516
Morphology--351
Mortality--574
Mycorrhizae--628
Nutrient relations--140, 312, 479, 673
Phloem--619
Phloem necrosis--5, 88, 425, 554, 556, 658
Pollenation--365
Regeneration--238, 306
Root grafting--150, 383
Seed--66, 173, 273, 279, 371, 577
Seedlings--103, 276, 279, 371, 411-414, 461, 544, 545, 577
Shake--641
Soil--140, 512, 673
Slime flux--134
Stomates--11, 154, 480
Succession--306, 377, 639, 640, 660
Temperature relations--34, 480, 515
Tension wood--43, 139
Translocation--516
Transpiration--11, 154, 394, 480
Variation--370, 422, 555, 557, 558, 563, 577
Virus--5, 88, 214, 425, 436, 554, 556, 637, 658
Water relations--11, 39, 103, 140, 154, 155, 273, 276, 278, 305, 377, 390, 394, 480, 514, 617, 622, 623, 673
Weedkillers--27, 633, 656
Wood anatomy--43, 139, 184-186, 445
Wood chemistry--447
Wounds--457
Xylem--438

Valsa sordida--7, 53, 203, 440, 543

Variation
Bud--146, 149
General--146, 158, 307, 308, 384, 435, 477, 480, 494, 504, 542, 600, 655, 672, 674, 675
Growth--135, 193
Pathogen--219, 548
Resistance--180, 370, 422, 547, 555, 557, 558, 563, 601
Rooting--24
Seed--23, 25, 190, 577
Wood property--196, 316, 475, 597, 598, 638, 643

Vegetation types (see floodplain forest)

Veneer-log production--54, 56

Venturia macularis--561

Verticillium spp.--115, 216

Verticillium albo-atrum--215, 266, 268, 326, 370, 506

Virus
Elm mosaic--5, 214, 436
General--3, 47, 229, 283
Leaf roll--638
Phloem necrosis--88, 425, 454, 456, 658
Poplar mosaic--45, 48, 450, 451
Ringspot--263, 264
Tobacco mosaic--352, 353

Volume estimation--434, 472, 574, 666

Waterfowl--97

Water relations
Drought--64, 65, 74, 81, 124, 154, 304, 448
Flooding--97, 103, 219, 220, 273, 275, 276, 278, 382, 390, 403, 673
Fungi--11, 151, 394
General--39, 41, 99, 100, 106, 140, 156, 236, 277, 305, 331, 377, 404, 411, 427, 480, 540, 541, 551, 552, 559, 617, 622, 623
Growth--62, 63, 133, 163, 193, 194, 246, 363, 433, 481, 490, 514
Insects--399, 401
Nutrients--102, 335
Photosynthesis--157, 191, 490, 514, 560
Planting--95
Vascular tissues--270, 662
Weedkillers--87

Weed competition--106, 321, 332, 345, 363, 374, 426, 487

Weedkillers
Aminotriazole + atrizine--123
'Amitrole'--657
Amizine--106
Atrizine--27, 111, 657
Benzabor--669
Borate--669
Bromacil--260
Cacodylic acid--442, 567
'Casoron'--27
Dalapon--415
Dicamba--85, 441
Dichlobenil--111, 415, 657
Diphenimid--413
Diuron--27, 374, 415
Fenoprop--182
Fenuron--122, 680
Fluomentum--374
General--363, 665
'Kerb'--123
Methyl bromide--127
Nitralin--665
Nitrofen--1

Weedkillers (cont.)
Paraquat--85, 111
Picloram--182, 199, 441, 449, 661
Propanil--1
Simizine--27, 86, 111, 374, 415, 657
'Sirmate'--123
Timing of--85
'Tordon'--199, 449, 661
'Treflan'--123
Trifluralin--1, 665
'Urab'--487
2,4-D--27, 122, 199, 462
2,4,5-T--85, 87, 122, 182, 449, 462, 642
2,6-dichlorothiobenzamide--468, 605
4-amino-3,5,6-trichloropicolinic acid--642

Wetwood--523, 614

Wood anatomy
Cambium--186, 270, 294, 344
Chemistry--437, 447
Fibers--292, 316, 494, 495
General--46, 84, 139, 217, 218, 290, 291, 295, 300, 393, 397, 445, 533, 557, 575, 597, 598
Lignin--43
Sieve elements--184, 185, 473
Specific gravity--189, 196, 495, 638

Wood quality--38, 84

Xiphinema americanum--531

Xyloterinus politus--210

Xylem--438

Yield
Biomass--532
Economics--179, 566, 636
Fiber--246
General--92, 98, 112, 193, 329, 348, 398, 580, 635
Improved--84, 144
Site--98
Spacing--329, 581
Tables--36, 126, 434
Weight--113, 133

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Lists 679 references, arranged by author's names, on the biology, ecology, silviculture and mensuration of the elm-ash-cottonwood type and its component species. Indices for species, subjects, and second authors are appended.

OXFORD: 187:176.1 *Ulmus, Fraxinus, Populus*:(048.1).

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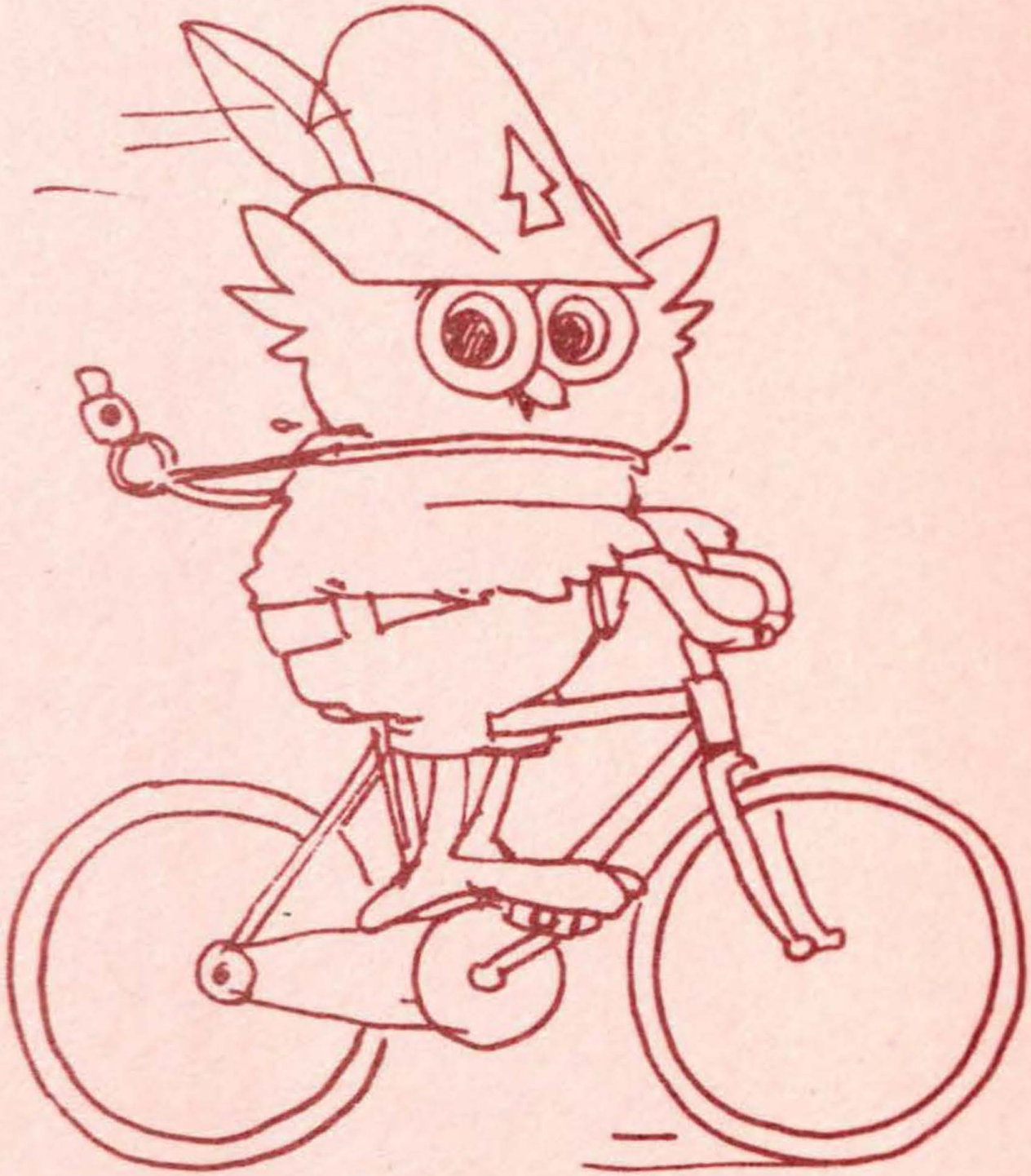

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